



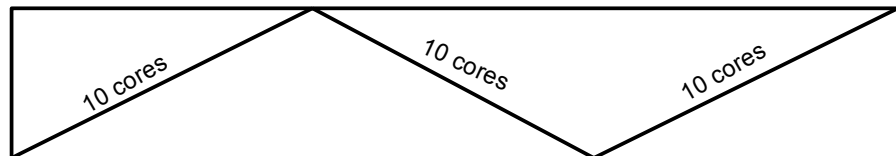
AGRICULTURAL SOIL TESTING FOR DDT AND OTHER PESTICIDES

The accuracy of the final results are dependent on how well the sample is collected. Take at least 30 core plugs from each paddock and combine to make one sample. You may also wish to combine more than one paddocks worth of samples. For dairy conversions the sampling must be done by a dairy approved sampler. For an indicative test on existing properties anything from 4 to 10 samples can be taken depending on the size of the property. Further more intensive testing can be done later.

How to sample

1. Sample each paddock based on present day fence line
2. Take approximately 10 cores per arm of a 'Z' pattern across the paddock to give a total of 30 cores, which should be pooled together in the same bag to produce one sample.

The "Z sampling pattern" for DDT in a paddock:



3. The corer or auger dimension should be 25mm in diameter and 35mm deep for dairy farming, 75mm deep for other livestock and 150mm for arable (cropping) and horticulture. These are recommended guidelines only.
4. Minimum sample size required is about **250 g**.
5. Place each soil sample (pooled cores) in a strong clean plastic bag and seal securely
6. Label each bag clearly (a black vivid marker is best) and mark on a map which paddocks have been sampled.

Note: Auger(s) can be purchased or borrowed from the lab. Soil bags are also available from the lab free of charge.

Sending to the laboratory

1. Pack all samples into a cardboard box, or strong courier bag.
If less than 5 samples then use a courier bag available from the laboratory.
Free large courier bags are available from the lab for larger sample numbers.
2. DDT is very stable and does not need to be sent chilled, a few days delay is not a problem. Other organic residues such as Organophosphates are more unstable and samples should be delivered promptly and avoid light and heat.
3. Include the following documentation.
 - Clients contact details
 - Who is to receive the report and how, and who is to be invoiced.
 - List of sample details

A sample submission form is available from the lab either by post or electronically.

If the test is for DDT only then request "DDTd" (for dairy farms), or "DDT" (for farming other than dairy)

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Other tests can be done on the same sample e.g. other pesticides and heavy metals. Ask for a copy of our Technical notes for Organic farming and Soil and Plant testing.

Note: a Basic Soil Profile (relating to fertilizer application) should be done using 75 mm deep cores for pastoral or 150 mm cores for horticulture/arable applications.

A report will be sent within 5 – 7 working days showing the Total DDT found, including its major breakdown products DDE and DDD. Hill Laboratories can email electronic reports in both PDF and CSV formats. This test is accredited by International Accreditation New Zealand

List price \$80.00 +GST - DDTd (dairy)

\$90.00 +GST - Other DDT

5 day turnaround

5-7 day standard turnaround time for DDT and nutrient testing

7-14 working days for multi-residue screen and heavy metals

Urgent turnaround if pre-arranged. Premium added.

Free sample delivery

Courier bags available on request

Customised sample submission forms

Value Added services

Compositing of samples

Retention of individual block samples (for retests)

Automatic retest if results are indicative of prills (no charge)

IANZ accreditation

Certificates available on request and from our website www.hill-laboratories.com

Other Soil Testing services

Soil nutrients

Multi-pesticide screen

Heavy metals

Client service managers

Dedicated full-time client service managers for routine soil testing

Advice on sampling and interpretation of results

Contact Details

For further information about please contact our Agriculture client service managers.

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